

#18 2/20/03


TO: USPTO, Washington, D.C. 20231,  
Febr. 3, 2003

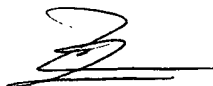
Enclosed is an update Information Disclosure Statement, Form PTO-1449, with the requested corrected reference (the paper already provided earlier) to be listed in the Application 09/525,176 in response to the USPTO Office Action of 01/09/2003:

Savvas Vasileiadis and Zoe Ziaka; "Environmentally benign hydrocarbon processing applications of single and integrated permreactors", in Reaction Engineering for Pollution Prevention, pp. 247-304, Elsevier Science (2000), (Edited by M.A. Abraham and R.P. Hesketh).

Also the following originally listed article (3/14/2000) in the Information Disclosure Statement is provided with its corrected title:

M. Oertel et. al., "Steam reforming of natural gas with integrated hydrogen separation for hydrogen production", Chem. Eng. Technol., 10, pp. 248-255 (1987).

  
S. Vasileiadis

  
Z. Ziaka

02/03/2003

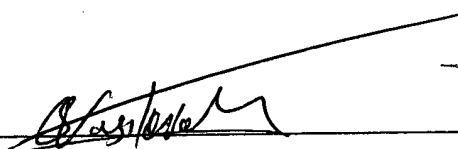
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Substitute for Form PTO-1449 (Information Disclosure Statement)

U.S. PATENT DOCUMENTS

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~~6,274,260 8/2001 Schuler et al.~~

OTHER REFERENCES

- ~~Alternative generation of  $H_2$ , CO and  $H_2$ ,  $CO_2$  mixtures from steam-carbon dioxide reforming of methane and the water gas shift with permeable (membrane) reactors, S. Vasileiadis et al., Chem. Eng. Comm., Vol. 176, pp.247-252, (1999).~~

- ~~-Environmentally benign hydrocarbon processing via single and integrated permreactors, permeators, S. Vasileiadis et al., in Reaction Engineering for Pollution Prevention, Elsevier Science Eds. (2000).~~
- ~~-Reactor Membrane permeator cascade for enhanced recovery and production of  $H_2$  and  $CO_2$  from the catalytic methane steam reforming reaction, Z. Ziaka et al., Chem. Eng. Comm., Vol. 156, 161, (1997).~~
- ~~-Novel reactor membrane permeator methane steam reforming process for enhanced recovery of  $H_2$  and  $CO_2$ , Z. Ziaka et al., 5th World Congress in Chemical Engineering, Symposium Series, San Diego, CA July (1996).~~
- ~~-Development of a novel oxidative palladium membrane reactor, N. Itoh et al., AIChE Symp. Ser., No. 268, Vol. 85, 10 (1989).~~
- ~~-Studies on palladium membrane reactor for dehydrogenation reaction, R. Zhao et al., Sep. Sci. & Tech., 25(13-15), 1473 (1990).~~
- ~~-Steam reforming of natural gas with integrated hydrogen separation for hydrogen production, M. Oertel et al., Chem. Eng. Technol., 10, 248 (1987).~~
- ~~-Polymer membrane reactors for enhanced hydrocarbon conversion and upgrading, S. Vasileiadis et al., Invention Disclosure Document #414880, marked 3/6/1997.~~